School Science and Mathematics
Volume 87, 1987
INDEX OF AUTHORS

Amir-Moez, Ali R.; Gauss and the Regular Pentagon, April 1987, 297

Amir-Moez, Ali R.; The Largest Rectangle, January 1987, 50

Ault, Charles; Hamrick, Linda; Harty, Harold; Concept Structure Interrelatedness Competency (ConSic): A Tool for Examining and Promoting Cognitive Structure, December 1987, 655

Austin, Joe Dan; The Pacing Prince of Koenigsberg, March 1987, 217

Austin, Joe Dan; Creating Cryptarithms with a Computer, April 1987, 308

Ayers, Jerry B.; Analysis of Selected Literature of Science Education, May/June 1987, 392

Battista, Michael T.; The Effectiveness of Using Logo to Teach Geometry to Preservice Elementary Teachers, April 1987, 286

Beamer, James E.; Using Spreadsheets in the Mathematics Classroom: Loan Repayment Schedules and Compound Interest, April 1987, 316

Beaumont, Evalyn M.; Cross, Roger T.; Task Value Intervention Project in Mathematics and Science, March 1987, 196

Becker, Jerry P.; Schrage, Georg; Limitations of the Microcomputer in the Classroom, December 1987, 683

Becker, Joanne Rossi; Sex Equity Intervention Programs Which Work, March 1987, 223

Bennett, Randy Elliot; Whittington, Beverly; Implications of New Technology for College Board Mathematics and Science Achievement Testing Programs, October 1987, 509

Berg, Craig; Krajcik, Joseph S.; Exemplary Software for the Science Classroom, October 1987, 494

Berlin, Donna F.; Jones, Sue; Editorial: The Integration of Science and Mathematics: Early Childhood and Middle School Level, April 1987, 271

Bidwell, James K.; Using Grid Arrays to Teach Long Division, March 1987, 233

Bitter, Gary G.; Editorial: Government Involvement in Math and Science, November 1987, 541

Bitter, Gary G.; Editorial: New Technological Developments, October 1987, 451

Bitter, Gary G.; Editorial: The Symbiosis of Mathematics and Science, May/June 1987, 361

Bitter, Gary G.; Editorial: What's Happening in Mathematics Education Research, December 1987, 631

Bitter, Gary G.; Educational Technology and the Future of Mathematics, October 1987, 454

Bonnstetter, Ronald J.; Bybee, Rodger W.; What Research Says: Implementing the Science-Technology-Society Theme in Science Education: Perceptions of Science Teachers, February 1987, 144

Bush, William S.; Mathematics Textbooks in Teacher Education, November 1987, 558.

Bybee, Rodger W.; Bonnstetter, Ronald J.; What Research Says: Implementing the Science-Technology-Society Theme in Science Education: Perceptions of Science Teachers, February 1987, 144

Bybee, Rodger W.; Teaching about Science-Technology-Society (STS): Views of Science Educators in the United States, April 1987, 274

Cathcart, Don C.; Exemplary Software for the Mathematics Classroom, October 1987, 501

Cathcart, W. George; Number Theory: An Application of Logo, December 1987, 645

Cebelius, Lori S.; Thibodeau, Gerard P.; Self Perceptions of Special Educators Toward Teaching Mathematics, February 1987, 136

Chance, Joseph E.; Graduated Rate Loans and Truth-in-Lending, April 1987, 323

Collens, Robert J.; Jansson, Lars C.; Williams, Harvey D.; Computer Programming and Logical Reasoning, May/June 1987, 371

Crawford, Alan N.; Wiebe, James H.; Heim, J. Dennis; Snails, Statistics, and Computers, December 1987, 665

Cross, Roger T.; Beaumont, Evalyn M.; Task Value Intervention Project in Mathematics and Science, March 1987, 196

Crouse, Richard; The Fibonacci Triangle, November 1987, 568

Dence, Joseph B.; Dence, Thomas P.; Classroom Exercises on Curves Used in Science and Mathematics, February 1987, 88

Dence, Thomas P.; Dence, Joseph B.; Classroom Exercises on Curves Used in Science and Mathematics, February 1987, 88

Dombrowski, JoAnne Morgan; Hagelberg, Ray R.; What Research Says: A Survey of Safety in High School Science Laboratories in Arizona, April 1987, 328

Duncan, David R.; Litwiller, Bonnie H.; Keno Probabilities, January 1987, 33

Duncan, David R., Litwiller, Bonnie H.; On the Propagation of Errors, April 1987, 312

Gates, Richard W.; Krockover, Gerald H.; Wiedermann, Robert; Elementary Student Teachers' Perceptions of Science in Their Classrooms: 1985-86, December 1987, 633

Gibney, Thomas C.; Ginther, John L.; Pigge, Fred L.; Three Decade Comparison of Elementary Teachers' Mathematics Courses and Understandings, November 1987, 587

Ginther, John L.; Pigge, Fred L.; Gibney, Thomas C.; Three Decade Comparison of Elementary Teachers' Mathematics Courses and Understandings, November 1987, 587

Gliner, Gail S.; The Relationship Between Mathematics Anxiety and Achievement Variables, February 1987, 81

Gressard, Clarice P.; Loyd, Brenda H.; An Investigation of the Effects of Math Anxiety and Sex on Computer Attitudes, February 1987, 125

Grossnickle, Foster E.; Perry, Leland M.; Man's Romance with Number, January 1987, 7

Hagelberg, Ray R.; Dombrowski, JoAnne Morgan; What Research Says: A Survey of Safety in High School Science Laboratories in Arizona, April 1987, 328

Hamrick, Linda; Harty, Harold; Ault, Charles; Concept Structure Interrelatedness Competency (ConSic): A Tool for Examining and Promoting Cognitive Structure, December 1987, 655

Haney, Richard E.; Krajcik, Joseph S.; Proportional Reasoning and Achievement in High School Chemistry, January 1987, 25

Harris, Whitney; Daylight, January 1987, 12

Harris, Whitney; Navigation and Pilotage in the Age of Discovery, April 1987, 302

Harty, Harold; Hamrick, Linda; Ault, Charles; Concept Structure Interrelatedness Competency (ConSic): A Tool for Examining and Promoting Cognitive Structure, December 1987, 655

Heim, J. Dennis; Wiebe, James H.; Crawford, Alan N.; Snails, Statistics, and Computers, December 1987, 665

Henry, Carol M.; Holtan, Boyd D.; Introducing Novices to the Computer: Hands-On vs. Demonstration, November 1987, 598

Holtan, Boyd D.; Henry, Carol M.; Introducing Novices to the Computer: Hands-On vs. Demonstration, November 1987, 598

Jansson, Lars C.; Williams, Harvey D.; Collens, Robert J.; Computer Programming and Logical Reasoning, May/June 1987, 371

Jones, Sue; Berlin, Donna F.; Editorial: The Integration of Science and Mathematics: Early Childhood and Middle School Level, April 1987, 271

Juraschek, Bill; Compare and Contrast in Teaching Mathematics, November 1987, 565

Koballa, Thomas R., Jr.; The Professional Reading Patterns of Texas Life Science Teachers, February 1987, 118

Koballa, Thomas R., Jr.; The Science-Oriented Journal Reading Habits of Elementary Teachers in Central Texas, December 1987, 672

Krajcik, Joseph S.; Haney, Richard E.; Proportional Reasoning and Achievement in High School Chemistry, January 1987, 25

Krajcik, Joseph S.; Berg, Craig; Exemplary Software for the Science Classroom, October 1987, 494

Krockover, Gerald H.; Gates, Richard W.; Wiedermann, Robert; Elementary Student Teachers' Perceptions of Science in Their Classrooms: 1985-86, December 1987, 633

Lamb, Charles E.; McBride, John W.; Zook, Virginia; The Classroom Science and Mathematics Fair, November 1987, 577

Lamb, John F., Jr.; An Analytic Approach to Properties of the Nine-Point Circle, March 1987, 187

Lamb, John, Jr.; Simplex Tableau Drudgery Removed, February 1987, 108

Lippert, Renate; Teaching Problem Solving in Mathematics and Science with Expert Systems, October 1987, 477

Litwiller, Bonnie H.; Duncan, David R.; Keno Probabilities, January 1987, 33

Litwiller, Bonnie H.; Duncan, David R.; On the Propagation of Errors, April 1987, 312

Loyd, Brenda H.; Gressard, Clarice P.; An Investigation of the Effects of Math Anxiety and Sex on Computer Attitudes, February 1987, 125

McBride, John W.; Zook, Virginia; Lamb, Charles E.; The Classroom Science and Mathematics Fair, November 1987, 577

Mick, Harold W.; A Scheme for Thinking About Meaning in Mathematics, March 1987, 239

Mitchell, Charles E.; Pre-first-grade Children's Performance on Items Involving the Concept of Owing, March 1987, 207

Moore, Kenneth D.; Preparing Science Teachers: A Proposal for Excellence, November 1987, 545

Morgan, Michael D.; Van Koevering, Thomas; Young, Thomas J.; The Production of Gasohol: The Environmental and Economic Implications of Growing Our Own Fuel, May/June 1987, 380

Mullenex, James L.; Repeating Decimals: Repetends of Length Three, December 1987, 653

Mullenex, James L.; Smith, William D.; Science and Mathematics Educational Services, January 1987, 1

Needham, Richard L.; Silverman, Fredrick L.; Hot Links: Tying Together Mathematics and Social Studies, December 1987, 692

Olson, Melfried; The Number of Squares in a Rectangular Array, November 1987, 572

Ost, David H.; Models, Modeling and the Teaching of Science and Mathematics, May/June 1987, 363

Parish, Charles R.; Partner, Bruce E.; Whitaker, Donald R.; Mathematics and Computers in the Classroom—A Symbiotic Relationship, May/June 1987, 387

Partner, Bruce E.; Parish, Charles R.; Whitaker, Donald R.; Mathematics and Computers in the Classroom—A Symbiotic Relationship, May/June 1987, 387

Perry, Leland M.; Grossnickle, Foster E.; Man's Romance with Number, January 1987, 7

Pigge, Fred L.; Ginther, John L.; Gibney, Thomas C.; Three Decade Comparison of Elementary Teachers' Mathematics Courses and Understandings, November 1987, 587

Rubba, Peter A.; Perspectives on Science-Technology-Society Instruction, March 1987, 181

Schrage, Georg; Becker, Jerry P.; Limitations of the Microcomputer in the Classroom, December 1987, 683

Scott, Patrick B.; Perceived Use of Mathematics Materials, January 1987, 21

Smith, Lyle R.; Verbal Clarifying Behaviors, Mathematics Students Participation, Attitudes, January 1987, 40

Smith, William D.; Mullenex, James L.; Science and Mathematics Educational Services, January 1987, 1

Silverman, Fredrick L.; Needham, Richard L.; Hot Links: Tying Together Mathematics and Social Studies, December 1987, 692

Thibodeau, Gerard P.; Cebelius, Lori S.; Self Perceptions of Special Educators Toward Teaching Mathematics, February 1987, 135

Tinker, Robert F.; Educational Technology and the Future of Science Education, October 1987, 466

Trent, John H.; Needed: More Better Prepared Junior High School Mathematics Teachers, February 1987, 100

Turetsky, R. A.; Letter to Editor, November 1987, 543

Underhill, Robert G.; A Strategy for Hypothesizing Mathematical Curriculum Sequences, March 1987, 211

Van Koevering, Thomas; Morgan, Michael D.; Young, Thomas J.; The Production of Gasohol: The Environmental and Economic Implications of Growing Our Own Fuel, May/June 1987, 380

Whitaker, Donald R.; Parish, Charles R.; Partner, Bruce E.; Mathematics and Computers in the Classroom—A Symbiotic Relationship, May/June 1987, 387

Whittington, Beverly; Bennett, Randy Elliot; Implications of New Technology for College Board Mathematics and Science Achievement Testing Programs, October 1987, 509

Wiebe, James H.; Heim, J. Dennis; Crawford, Alan N.; Snails, Statistics, and Computers, December 1987, 665

Wiedermann, Robert; Gates, Richard W.; Krockover, Gerald H.; Elementary Student Teachers' Perceptions of Science in Their Classrooms: 1985-86, December 1987, 633

Williams, Harvey D.; Jansson, Lars C.; Collens, Robert J.; Computer Programming and Logical Reasoning, May/June 1987, 371

Yager, Robert E.; The Perceived Importance of Information for Studying Science, January 1987, 55

Young, Thomas J.; Van Koevering, Thomas; Morgan, Michael D.; The Production of Gasohol: The Environmental and Economic Implications of Growing Our Own Fuel, May/June, 1987, 380

Zook, Virginia; McBride, John W.; Lamb, Charles E.; The Classroom Science and Mathematics Fair, November 1987, 577

DEPARTMENTS

On a Clear Day, Glass, Doris; January 1987, 62
February 1987, 153
March 1987, 248
April 1987, 345
May/June 1987, 438
November 1987, 617
December 1987, 705

Fyffe, Darrel W.; **Minutes**, November 1987, 608

Reviewers: **Book Reviews**, January 1987, 71

McFee, Evan; *Cheetah*, January 1987, 71
Kennedy, Joe; *The Optical Illusion Book*, January 1987, 71
Fuys, David J.; *Math Activities & Games*, January 1987, 72
Prielipp, Bob; *Challenge: A Program for the Mathematically Talented*, Grades 3-6, January 1987, 72
Andersen, Hans O.; *Niels Bohr: The Man, His Science, and the World They Changed*, January 1987, 73
Agin, Michael L.; *Practical Mathematics, Appraisal of the Learning Disabled*, January 1987, 73
Wess, Lawrence J.; *Astronomy from Space*, January 1987, 73
Walker, Noojin; *Metallurgy Fundamentals*, January 1987, 74
Scheer, Janet K.; *The Amazing Mathematical Amusement Arcade*, January 1987, 75
Whalen, Mary and Litwiller, Bonnie; *A Child's Guide to the Apple Micro*, January 1987, 75
Speer, William R.; *A Child's Guide to the Commodore 64*, January 1987, 75
Pettus, Alvin M.; *A Fish Keeper's Guide to: The Tropical Aquarium, Community Fishes, Coldwater Fishes, Marine Fishes*, January 1987, 76
Mills, Terence John; *Your World 2000 Series, Planet Earth/Cities/Health*, January 1987, 76
Friend, Harold; *The All Color Book of the Body*, January 1987, 77
Winslow, Donald R.; *Who Says You Can't Teach Science? Grades K-6*; January 1987, 78
Dossey, John A.; *High-Speed Computing Devices*, January 1987, 78
Winslow, Donald R.; *The Science Universe Series: (1) Exploring Space and Atoms (2) Language and Communication (3) Sight, Light and Color (4) Energy, Forces and Resources (5) Machines, Power and Transportation (6) Measuring and Computing (7) Earth, Sea and Sky (8) Patterns of Life on Earth*, January 1987, 79
Helgeson, Stanley L.; *Science Magic: 101 Experiments You Can Do*, January 1987, 79

Reviewers: **Book Reviews**, February 1987, 156

Gabel, Dorothy; *Science Spirals Series: Magnets, Mirrors, In the Air, and On the Water*, February 1987, 156
Park, John C.; *The Earth and How it Works*, February 1987, 156
Winslow, Donald R.; *The Formation of Vegetable Mould, Through the Action of Worms, with Observation on Their Habits*, February 1987, 156
Thompson, Thomas E.; *The All Color Book of the Earth*, February 1987, 157
Wess, Lawrence J.; *Space Telescope*, February 1987, 158
Wess, Lawrence J.; *Energy from the Sun*, February 1987, 158
Bledsoe, Gloria J.; *Elementary Algebra: A Practical Approach*, February 1987, 158

Reviewers: **Book Reviews**, March 1987, 251

Fuys, David; *Our Planet the Earth*, March 1987, 251
Ball, Stanley; *It's All Elementary: From Atoms to the Quantum World of Quarks, Leptons, and Gluons*, March 1987, 252

Gabel, Dorothy L.; *In Preparation for College Chemistry (3rd Edition)*, March 1987, 253
Wess, Lawrence J.; *How You Were Born*, March 1987, 253
Helgeson, Stanley L.; *Havasupai Habitat*, March 1987, 254
Kimmel, Howard; *The Question and Answer Books: Everyday Science*, March 1987, 254
House, Peggy A.; *Logoworlds*, March 1987, 255
Walker, Noojin; *The Invisible World*, March 1987, 256
Koballa, Thomas R., Jr.; *Sharks, the Super Fish*, March 1987, 257
Doyle, Jerry; *Minds, Brains and Science*, March 1987, 258
Pettus, Alvin M.; *The Names of Plants*, March 1987, 258
Andersen, Hans O.; *Dogs: All About Them*, March 1987, 259
White, Emily B.; *The World of Dinosaurs*, March 1987, 259

Reviewers: Book Reviews, April 1987, 348

Vaidya, Sheila; *Young Children Reinvent Arithmetic: Implications of Piaget's Theory*, April 1987, 348
Doyle, Jerry; *The "Encyclopedia of Transport" Series*, April 1987, 348
Foster, John S.; Koran, John J., Jr.; *Lectures in Theoretical Population Biology*, April 1987, 349
Kimmel, Howard; *Essential Statistics*, April 1987, 350
Duschl, Richard A.; *The Structure and Distribution of Coral Reefs*, April 1987, 350
Park, John C.; *Polarized Light in Nature*, April 1987, 351

Reviewers: Book Reviews, May/June 1987, 441

Johnson, Charles W.; *Galaxies*, May/June 1987, 441
Agin, Michael L.; *Prehistoric Life, The Field Guide to*, May/June 1987, 441
Atwood, Ronald K.; *A Summary of Research in Science Education—1981*, May/June 1987, 442
Geer, Charles P.; *Developmental Teaching of Mathematics for the Learning Disabled*, May/June 1987, 443

Reviewers: Book Reviews, October 1987, 525

Doyle, Dianne; *The Prentice-Hall Encyclopedia of Information Technology*, October 1987, 525
Balius, Gary J.; *CD ROM: The New Papyrus*, October 1987, 526
Shoemaker, Scott; *Artificial Intelligence: The Very Idea*. October 1987, 527
Miller, Maurene; *Artificial Intelligence: Applications to Logical Reasoning and Historical Research*, October 1987, 527
Thirunarayanan, M. O.; *A Guide to Expert Systems*, October 1987, 528
Bennett, Gladys Jenkins; (In the Technology Curriculum (Series)) October 1987, 529
Plumlee, Peggy McClain; *Into the Heart of the Mind*, October 1987, 530
Don Casey; *Machinery of the Mind*, October 1987, 530
Hammann, Michael J.; *Artificial Intelligence Enters the Market Place*, October 1987, 531
Mothershead, Eileen; *The Fifth Generation: Artificial Intelligence and Japan's Computer Challenge to the World*, October 1987, 531

Reviewers: Book Reviews, November 1987, 620

Evans, Robert H.; *Space Telescope, November 1987, 620*
Pereira-Mendoza, Lionel; *Transition to College Mathematics, November 1987, 621*
Kimmel, Howard; *Innovation in the Science Curriculum, November 1987, 621*
Ronau, Robert N.; *The Applesoft Basic Primer, November 1987, 622*

Reviewers: Book Reviews, December 1987, 708

McFee, Evan; *Cold-Blooded Animals*, December 1987, 708
Dessart, Donald J.; *A Guidebook for Teaching Algebra*, December 1987, 708
Walker, Noojin; *Interregional Air Pollution Modelling: The State of the Art*, December 1987, 709
Wess, Lawrence J.; *Andy Bear: A Polar Bear Grows Up at the Zoo, December 1987, 709*
Sunal, Dennis W.; *Astrophotography for the Amateur, December 1987, 710*
Agin, Michael L.; *Adolescent Psychiatry XI, Dev. & Clin. Stud., December 1987, 710*
Schaaf, Oscar; *Learning from Children: New Beginnings for Teaching Numerical Thinking*, December 1987, 711

Software Reviews:

Walters, Andy; Editor — **January 1987, 80**
February 1987, 159
March 1987, 260
April 1987, 352
May/June 1987, 444

Casey, Don, Editor — **October 1987, 518**
November 1987, 623
December 1987, 712

Problem Department,

Gibbs, Richard A.; Editor
Szuecs, Laszlo, Assistant Ed. — **January 1987, 85**
February 1987, 164
March 1987, 265
April 1987, 356
May June 1987, 447
October 1987, 532
November 1987, 625
December 1987, 715

INDEX OF ARTICLES

An Analytic Approach to Properties of the Nine-Point Circle; Lamb, John F., Jr., March 1987, 187

Analysis of Selected Literature of Science Education; Ayers, Jerry B.; May/June 1987, 392

A Strategy for Hypothesizing Mathematical Curriculum Sequences; Underhill, Robert G., March 1987, 211

An Investigation of the Effects of Math Anxiety and Sex on Computer Attitudes; Gressard, Clarice P.; Loyd, Brenda H.; February 1987, 125

A Scheme for Thinking About Meaning in Mathematics; Mick, Harold W., March 1987, 239

Classroom Exercises on Curves Used in Science and Mathematics; Dence, Joseph B.; Dence, Thomas P., February 1987, 88

Computer Programming and Logical Reasoning; Jansson, Lars C.; Williams, Harvey D.; Collens, Robert J.; May/June 1987, 371

Compare and Contrast in Teaching Mathematics; Juraschek, Bill; November 1987, 565

Concept Structure Interrelatedness Competency (ConSic): A Tool for Examining and Promoting Cognitive Structure; Ault, Charles; Hamrick, Linda; Harty, Harold, December 1987, 655

Creating Cryptarithms with a Computer; Austin, Joe Dan, April 1987, 308

Daylight; Harris, Whitney, January 1987, 12

Editorial: The Integration of Science and Mathematics: Early Childhood and Middle School Level; Berlin, Donna F.; Jones, Sue; April 1987, 271

Editorial: The Symbiosis of Mathematics and Science; Bitter, Gary G., May/June, 1987, 361

Editorial: New Technological Develolpments; Bitter, Gary G., October 1987, 451

Editorial: Government Involvement in Math and Science; Bitter, Gary G.; November 1987, 541

Editorial: What's Happening in Mathematics Education Research; Bitter, Gary G.; December 1987, 631

Educational Technology and the Future of Mathematics; Bitter, Gary G., October 1987, 454

Educational Technology and the Future of Science Education; Tinker, Robert F., October 1987, 466

Elementary Student Teachers' Perceptions of Science in Their Classrooms: 1985-86; Krockover, Gerald H.; Gates, Richard W.; Wiedermann, Robert, December 1987, 633

Exemplary Software for the Science Classroom; Krajcik, Joseph S.; Berg, Craig, October 1987, 494

Exemplary Software for the Mathematics Classroom; Cathcart, Don C.; October 1987, 501

Gauss and the Regular Pentagon; Amir-Moez, Ali R.; April 1987, 297

Graduated Rate Loans and Truth-in-Lending; Chance, Joseph E., April 1987, 323

Hot Links: Tying Together Mathematics and Social Studies; Silverman, Fredrick L.; Needham, Richard L., December 1987, 692

Implications of New Technology for College Board Mathematics and Science Achievement Testing Programs; Bennett, Randy Elliot; Whittington, Beverly, October 1987, 509

Introducing Novices to the Computer: Hands-On vs. Demonstration; Henry, Carol M., Holtan, Boyd D.; November 1987, 598

Keno Probabilities; Litwiller, Bonnie H.; David R. Duncan; January 1987, 33

Letter to Editor; Turetsky, R. A., November 1987, 543

Limitations of the Microcomputer in the Classroom; Becker, Jerry P.; Schrage, Georg; December 1987, 683

Man's Romance with Number; Grossnickle, Foster E., Perry, Leland M.; January 1987, 7

Mathematics and Computers in the Classroom—A Symbiotic Relationship; Whitaker, Donald R.; Parish, Charles R.; Partner, Bruce E., May/June 1987, 387

Mathematics Textbooks in Teacher Education; Bush, William S.; November 1987, 558

Models, Modeling and the Teaching of Science and Mathematics; Ost, David H., May/June 1987, 363

Navigation and Pilotage in the Age of Discovery; Harris, Whitney; April 1987, 302

Needed: More Better Prepared Junior High School Mathematics Teachers; Trent, John H., February 1987, 100

Number Theory: An Application of Logo; Cathcart, W. George, December 1987, 645

On the Propagation of Errors; Duncan, David R., Litwiller, Bonnie H., April 1987, 312

Perceived Use of Mathematics Materials; Scott, Patrick B., January 1987, 21

Perspectives on Science-Technology-Society Instruction; Rubba, Peter A., March 1987, 181

Pre-first-grade Children's Performance on Items Involving the Concept of Owing; Mitchell, Charles E., March 1987, 207

Preparing Science Teachers: A Proposal for Excellence; Moore, Kenneth D., November 1987, 545

Proportional Reasoning and Achievement in High School Chemistry; Krajcik, Joseph S., Haney, Richard E.; January 1987, 25

Repeating Decimals: Repetends of Length Three; Mullenex, James L.; December 1987, 653

Science and Mathematics Educational Services; Mullenex, James L.; Smith, William D.; January 1987, 1

Self Perceptions of Special Educators Toward Teaching Mathematics; Thibodeau, Gerard P.; Cebelius, Lori S., February 1987, 136

Sex Equity Intervention Programs Which Work; Becker, Joanne Rossi, March 1987, 223

Simplex Tableau Drudgery Removed; Lamb, John, Jr., February 1987, 108

Snails, Statistics, and Computers; Wiebe, James H.; Heim, J. Dennis; Crawford, Alan N., December 1987, 665

Task Value Intervention Project in Mathematics and Science; Cross, Roger T.; Beaumont, Evalyn M., March 1987, 196

Teaching about Science-Technology-Society (STS): Views of Science Educators in the United States; Bybee, Rodger W., April 1987, 274

Teaching Problem Solving in Mathematics and Science with Expert Systems; Lippert, Renate, October 1987, 477

The Effectiveness of Using Logo to Teach Geometry to Preservice Elementary Teachers; Battista, Michael T.; April 1987, 286

The Classroom Science and Mathematics Fair; Zook, Virginia; McBride, John W.; Lamb, Charles E., November 1987, 577

The Fibonacci Triangle; Crouse, Richard, November 1987, 568

The Largest Rectangle; Amir-Moez, Ali R., January 1987, 50

The Number of Squares in a Rectangular Array; Olson, Melfried, November 1987, 572

The Pacing Prince of Koenigsberg; Austin, Joe Dan, March 1987, 217

The Perceived Importance of Information for Studying Science; Yager, Robert E., January 1987, 55

The Production of Gasohol: The Environmental and Economic Implications of Growing Our Own Fuel; Morgan, Michael D.; Van Koevering, Thomas; Young, Thomas J., May/June 1987, 380

The Professional Reading Patterns of Texas Life Science Teachers; Koballa, Thomas R., Jr., February 1987, 118

The Relationship Between Mathematics Anxiety and Achievement Variables; Gliner, Gail S., February 1987, 81

The Science-Oriented Journal Reading Habits of Elementary Teachers in Central Texas; Koballa, Thomas R., Jr., December 1987, 672

Three Decade Comparison of Elementary Teachers' Mathematics Courses and Understandings; Ginther, John L.; Gibney, Thomas C.; Pigge, Fred L.; November 1987, 587

Using Grid Arrays to Teach Long Division; Bidwell, James K.; March 1987, 233

Using Spreadsheets in the Mathematics Classroom: Loan Repayment Schedules and Compound Interest; Beamer, James E.; April 1987, 316

Verbal Clarifying Behaviors, Mathematics Students Participation, Attitudes; Smith, Lyle R., January 1987, 40

What Research Says: A Survey of Safety in High School Science Laboratories in Arizona; Hagelberg, Ray R.; Dombrowski, JoAnne Morgan; April 1987, 328

What Research Says: Implementing the Science-Technology-Society Theme in Science Education: Perceptions of Science Teachers; Bybee, Rodger W.; Bonnstetter, Ronald J., February 1987, 144